

DENBIGHSHIRE COUNTY COUNCIL

WELSH BOARD OF HEALTH  
RECEIVED  
11 JAN 1941  
A.1.

## ANNUAL REPORT

on the

# Health of Denbighshire

for the

YEAR 1939

by

H. ARWEL THOMAS,

M.Sc., M.B., Ch.B., M.R.C.S., L.R.C.P., D.P.H.

County Medical Officer.

16 Grosvenor Road,  
Wrexham.

January, 1941.



DENBIGHSHIRE COUNTY COUNCIL.

---

## ANNUAL REPORT

on the

# Health of Denbighshire

for the

YEAR 1939

by

H. ARWEL THOMAS,

M.Sc., M.B., Ch.B., M.R.C.S., L.R.C.P., D.P.H.

County Medical Officer.

16 Grosvenor Road,  
Wrexham.

January, 1941.

## INDEX.

---

	Page
Ambulance Service .....	14—15
Ante-Natal Service .....	25—27
Ante-Natal Clinics .....	16, 26
 Births and Birth-rate .....	 7—8
Blind Persons Act .....	54
Blind Persons, Report of N.W. Society .....	54—55
 Cancer, Facilities for Treatment .....	 50
Cancer, Hospital Report .....	50—51
Cancer, Deaths .....	52
Clinics and Treatment Centres .....	15—16
Cod Liver Oil .....	35
Coed-du Certified Institution .....	20
County Health Staff .....	7
 Deaths and Death-rate .....	 8
Diseases of Animals Act .....	63
Dried Milk .....	33
Dental Treatment, Report of Dentists .....	35
 Evacuation of Expectant Mothers .....	 35—37
 Food and Drugs Act .....	 64
Fresh Milk .....	33
 Gerwyn Hall Maternity Home .....	 35—37
 Hospital Accommodation .....	 17—18
Health Visiting .....	30
Housing Return .....	62
Hospital, Ruabon Maternity .....	25—27
 Infectious Diseases—Tables .....	 11, 49, 50
Infant Mortality .....	9
Institutional Care of Mental Defectives .....	19

	Page
Laboratory Facilities .....	13—14
Maternity Home Registration .....	33
Maternal Deaths .....	10
Mental Treatment Act .....	17
Mental Defectives, Institutional Care .....	19
Mental Deficiency Regulations—Annual Return .....	19—25
Maternity and Child Welfare—Midwifery and Mater- nity Services .....	25
Milk Supply .....	33
Maternity and Child Welfare—Return to Ministry...	37—47
Milk and Dairies Act .....	63
Midwives Act .....	34
Nursing in the Home .....	15
Nursing Home Registration .....	37
Orthopaedic Clinics .....	17
Obstetric Officer's Report .....	25—27
Preface .....	5
Population .....	7
Poor Law Medical Relief .....	19
Report of County Obstetric Officer .....	25—27
Registration of Maternity Home .....	33
Registration of Nursing Home .....	37
Ruabon Maternity Hospital .....	26—27
Report of Veterinary Officer .....	63—64
Report of Food and Drugs Inspector .....	64—67
Staff .....	7
Statistics .....	7
Superintendent Health Visitor's Report .....	30—32
Summary of Work of Health Visitors .....	48
Tuberculosis—Deaths .....	56
Tuberculosis—Register .....	59
Treatment Centres and Clinics .....	15—16
Vital Statistics .....	6
Veterinary Officer's Report .....	63—64
Venereal Diseases Clinics .....	16—17

## TABLES.

Table I.	Vital Statistics .....	Page 6
II.	Causes of Infant Deaths .....	9
III.	Birth and Infantile Deaths allocated to Areas .....	10
IV.	Causes of Death .....	12
V.	Hospital Accommodation .....	18
VI.	Particulars of Mental Defectives .....	23
VII.	Patients under 5 years .....	28—29
VIII.	Maternity and Child Welfare .....	47
IX.	Summary of Work of Health Visitor .....	48
Xa.	Infectious Diseases .....	49
Xb.	Do. ....	50
XI.	Tuberculosis .....	56
XII.	Public Health (Tuberculosis) Regula- tions, 1930 .....	58
XIII.	Do., 1924 .....	60—61.
XIV.	Housing .....	62
XV.	Venereal Diseases .....	68
XVI.	Causes of death at different periods of life .....	69

## **PREFACE.**

---

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present to you my fifth Annual Report on the health of the County of Denbigh for the year 1939.

It is the wish of the Welsh Board of Health as expressed in their circular 2067 (Wales), dated the 19th July, 1940, that interim reports only should be made for the year 1939, and should be confined to essential and urgent matters which have affected the Public Health during the year, outbreaks of Infectious Diseases and the measures for Maternity and Child Welfare, together with any exceptional administration measures taken.

Since the outbreak of war in September, 1939, I have personally been engaged chiefly on A.R.P. duties, but, in spite of this, the Health Services generally have been maintained, while in the supervision of school children, involving medical, dental and cleanliness inspections of a large number of evacuee children, there has been a notable increase in the volume of work. This has been achieved, chiefly on account of the staff working longer hours and also to considerably curtailed holidays.

### **Evacuation of Expectant Mothers from Birkenhead.**

In September, 1939, Gerwyn Hall, Marchwiel, was opened as a Maternity Home for Expectant Mothers from Birkenhead, and a full report of the work undertaken thereat appears in pages 35 to 37 of this report.

I take this opportunity of expressing to the members of the staff my personal appreciation of the zeal and devotion which they displayed in the performance of their duties under very trying conditions.

To the Clerk of the County Council and his Deputy I would tender thanks for assistance and advice given readily at all times.

I have the honour to remain,

Your obedient Servant,

H. ARWEL THOMAS,

County Medical Officer.



COUNTY OF DENBIGH. Table I. Vital Statistics, 1939.

District	Estimated Population		No. of Births		Birth-rate	No. of infant deaths under 1 year of age	Infant Mortality Rate	No. of Deaths	Death-rate
	(a) for birth-rate calculation	(b) death-rate calculation	(a) for birth-rate calculation	(b) for infant mortality calculation					
<b>Urban</b>									
Abergele	6560	6738	72	73	11.1	3	41.6	100	14.8
Colwyn Bay	21330	22090	224	227	10.6	8	35.7	307	13.8
Denbigh	7747	7951	107	108	13.9	6	56.0	100	12.5
Llangollen	2875	2983	51	51	17.7	2	39.2	52	17.4
Llanrwst	2503	2535	37	38	15.1	3	81.0	42	16.5
Ruthin	3283	3283	53	54	16.4	3	56.4	36	11.2
Wrexham	25870	26230	396	398	15.3	25	63.1	379	14.4
Total Urban	70090	71810	940	949	13.5	50	53.1	1016	14.1
<b>Rural</b>									
Aled	9279	6458	85	85	13.6	2	23.5	77	11.9
Ceiriog	6882	7057	96	96	13.9	10	104.1	89	12.6
Hiraethog	5433	5522	92	92	16.9	—	—	85	15.3
Ruthin	8546	8933	115	115	13.4	6	51.9	141	15.7
Wrexham	59690	60280	906	909	15.2	60	66.2	781	12.9
Total Rural	86830	88250	1294	1297	14.9	78	60.2	1173	13.2
Total County	156920	160060	2234	2246	14.2	128	57.2	2189	13.6



## STATISTICS.

### Live Births—

	Male.	Female	Total.
Legitimate .....	1105	1029	2134
Illegitimate .....	55	45	100
Birth-rate per 1000 of the estimated resident population .....			14·2
Still-births .....	62	57	119
Rate per 1000 (live and still births)			15·0
Deaths .....	1133	1056	2189
Rate per 1000 of the estimated resident population .....			13·6

Rate per 1000  
total  
Live and Still  
births.

### Deaths from Puerperal Causes :—

	Deaths.	
Puerperal Sepsis .....	3	1·2
Other Puerperal Causes .....	6	2·5

### Death-rate of Infants under one year of age :—

All infants per 1000 live births .....	57·2
Legitimate infants per 1000 legitimate births ...	54·3
Illegitimate infants per 1000 illegitimate births	120·0

### Staff.

There were no changes in the staff personnel of the department during the year.

### Population.

The following estimated populations have been furnished by the Registrar General for the year 1939 :—

(a) For Birth-rate calculation .....	156,920
(b) For Death-rate calculation .....	160,060

## BIRTHS

2,246 births were notified as belonging to the administrative County during the year, as compared with 2,325 in 1938 and an average of 2,328 for the past ten years. The County Birth-rate was 14·2, as compared with 15·1 for England and Wales.

The following Sanitary areas show a Birth-rate *above* that of the County, viz. :—

Llangollen Urban .....	17·7
Hiraethog Rural .....	16·9
Ruthin Borough .....	16·4
Wrexham Borough .....	15·3
Wrexham Rural .....	15·2
Llanrwst Urban .....	15·1

The following Sanitary areas show a Birth-rate *below* that of the County, viz. :—

Denbigh Borough .....	13·9
Ceiriog Rural .....	13·9
Aled Rural .....	13·6
Ruthin Rural .....	13·4
Abergele Urban .....	11·1
Colwyn Bay Borough ...	10·6

#### DEATHS.

2,189 deaths were registered in the County during the year as compared with 2,087 in 1938 and 2,092, the average for the past ten years. The County Death-rate was 13·6, as compared with 11·6 for England and Wales.

The following Sanitary Districts show a Death-rate *above* that of the County, viz. :—

Llangollen Urban .....	17·4
Llanrwst Urban .....	16·5
Ruthin Rural .....	15·7
Hiraethog Rural .....	15·3
Abergele Urban .....	14·8
Wrexham Borough .....	14·4
Colwyn Bay Borough...	13·8

The following Sanitary Districts show a Death-rate *below* that of the County, viz. :—

Wrexham Rural .....	12·9
Ceiriog Rural .....	12·6
Denbigh Borough .....	12·5
Aled Rural .....	11·9
Ruthin Borough .....	11·2

## INFANTILE MORTALITY.

The number of deaths of infants under one year of age in the County during the year 1939 was 128 as compared with 147 in the preceding year, and with the average of 151 for the past ten years.

The Infant Mortality Rate for the County during 1939 was 57·2 as compared with the rate of 53 for England and Wales.

The following Sanitary Districts show an Infant Mortality Rate *above* that of the County, viz.:—

Ceiriog Rural .....	104·1
Llanrwst Urban .....	81·0
Wrexham Rural .....	66·2
Wrexham Urban .....	63·1

The following Sanitary Districts show an Infant Mortality Rate *below* that of the County, viz.:—

Ruthin Urban .....	56·4
Denbigh Borough .....	56·0
Ruthin Rural .....	51·9
Abergele Urban .....	41·6
Llangollen Urban .....	39·2
Colwyn Bay .....	35·7
Aled Rural .....	23·5

(No deaths of infants under one year of age occurred in the Hiraethog Rural District).

**TABLE II. Causes of Infant Deaths, 1939**

	Districts			
	Urban		Rural	
	Male	Female	Male	Female
Bronchitis .....	2	1	1	1
Diarrhoea (under 2 years) .....	2	—	1	—
Other Digestive Diseases .....	2	1	1	2
Congenital Debility, Premature Birth, etc. ....	18	12	30	16
Other defined diseases .....	4	5	9	2
Other Tuberculous Diseases .....	—	—	1	—
Pneumonia (all forms) .....	—	2	3	7
Other Violence .....	—	—	2	—
Cerebro-Spinal Fever .....	—	1	—	—
Whooping Cough .....	—	—	—	1
Syphilis .....	—	—	—	1
	28	22	48	30

**TABLE III. Birth and Infantile Deaths Allocated to Areas.**

Districts	Births				Deaths under 1 year of age			
	Legitimate		Illegitimate		Legitimate		Illegitimate	
	M	F	M	F	M	F	M	F
Abergele U. ....	35	34	1	2	2	1	—	—
Colwyn Bay Borough...	105	108	9	2	2	5	—	1
Denbigh Borough .....	60	41	3	3	4	2	—	—
Llangollen U. ....	23	28	—	—	—	1	—	1
Llanrwst U. ....	16	20	1	—	—	—	3	—
Ruthin Borough .....	29	21	1	2	2	1	—	—
Ruthin R. ....	62	50	3	—	4	2	—	—
Wrexham Borough .....	198	178	12	8	15	9	—	1
Wrexham Rural .....	441	426	17	22	36	20	1	3
Aled R. ....	45	37	3	—	—	1	1	—
Ceiriog R. ....	50	42	3	1	5	4	1	—
Hiraethog R. ....	41	44	2	5	—	—	—	—
	1105	1029	55	45	70	46	6	6

**MATERNAL MORTALITY.**

9 women died from child-birth during the past year as compared with 8 in the preceding year.

3 died from Puerperal Fever and 6 from other Puerperal causes. The Maternal Mortality Rate for 1939 was 4.00 as compared with 3.4 for 1938 and with 2.97 for England Wales.

The following table gives the figures for the past ten years :—

	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
Maternal										
Mortality Rate .....	5.9	7.9	6.2	7.1	6.3	4.4	3.7	2.07	3.4	4.0
Puerperal Sepsis .....	6	7	5	8	8	5	2	—	1	3
Other										
Puerperal Causes .....	9	12	10	9	7	6	7	5	7	6
Total .....	15	19	15	17	15	11	9	5	8	9

The report of the County Obstetric Officer will be found on pages 26 and 27.

## INFECTIOUS DISEASES.

The following table gives the number of deaths from Infectious Diseases notified during the year, also the figures for the years 1938 and 1937 :—

	1937		1938		1939
Typhoid and Paratyphoid .....	—	...	—	...	—
Measles .....	1	...	3	...	1
Scarlet Fever .....	1	...	—	...	—
Whooping Cough .....	6	...	9	...	2
Diphtheria .....	46	...	29	...	11
Encephalitis Lethargica .....	4	...	5	...	9
Cerebo-Spinal Fever .....	1	...	—	...	2
Tuberculosis, Pulmonary .....	94	...	79	...	80
Tuberculosis. Non-Pulmonary	14	...	15	...	14

**COUNTY OF DENBIGH.**  
**TABLE IV. Causes of Death, 1939.**

Causes	Abergele.	Aled.	Ceiriog.	Colwyn Bay.	Denbigh.	Hiraeathog.	Llangollen.	Llanrwst.	Ruthin Borough.	Ruthin Rural.	Wrexham Borough.	Wrexham Rural.	Totals.
Typhoid and Paratyphoid Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles .....	...	...	...	...	...	...	...	...	...	...	...	1	1
Scarlet Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough ....	...	...	...	...	...	...	...	...	...	...	1	1	2
Diphtheria .....	...	...	...	2	...	...	...	...	...	...	7	2	11
Influenza .....	2	1	3	6	3	5	1	1	...	2	5	12	41
Encephalitis													
Lethargica .....	...	1	...	3	...	...	...	...	...	...	1	4	9
Cerebro-Spinal Fever .....	...	...	1	...	...	...	1	...	...	...	...	...	2
Pulmonary T.B. ....	1	4	1	7	6	4	1	2	1	1	18	34	80
Other Forms of Tuberculosis .....	...	...	2	1	1	...	...	...	...	...	4	6	14
G.P.I., Tabes, etc. ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis .....	...	...	...	...	...	...	...	...	...	...	1	1	2
Cancer .....	16	10	5	47	16	13	6	6	4	27	47	98	295
Diabetes .....	1	4	1	6	1	...	1	1	...	5	9	8	37
Cerebral Haem. etc.	9	7	14	23	4	5	5	6	5	13	20	62	173
Heart Disease .....	25	30	25	82	35	30	20	6	10	38	100	219	620
Aneurysm .....	...	...	...	...	...	...	...	...	1	...	...	...	1
Other Circ. Dis. ....	11	4	6	45	4	2	5	1	1	9	19	17	124
Bronchitis .....	5	1	1	6	...	2	1	...	2	5	16	41	80
Pn'monia (All Forms)	1	...	5	15	1	3	...	2	1	5	17	32	82
Other Resp. Dis. ...	3	...	...	2	2	...	...	...	...	...	4	8	19
Peptic Ulcer .....	1	1	1	2	2	2	1	1	1	1	...	8	21
Diarrhoea (under 2 years) .....	...	...	...	...	...	...	...	...	...	...	2	3	5
Appendicitis .....	2	...	...	1	...	1	...	...	...	1	1	8	14
Cirrhosis of Liver ...	...	2	...	...	2	...	...	...	...	...	...	1	5
Other Liver Dis. ...	...	...	...	1	...	...	1	1	...	...	1	1	5
Other Digve. Dis. ...	...	1	2	4	1	...	...	2	...	3	11	13	37
Ac. & Ch. Nephritis	5	4	3	7	2	4	1	4	1	3	5	32	71
Puerperal Sepsis ....	...	...	1	1	...	...	...	...	...	...	1	...	3
Other Puer. Dis. ...	...	...	...	1	...	...	...	2	...	...	1	2	6
Con. Deb. Prem.													
Birth .....	3	1	6	5	3	...	...	2	3	6	14	35	78
Senility .....	3	...	1	3	2	...	...	1	1	2	10	24	47
Suicide .....	...	...	...	6	...	...	...	...	1	3	...	7	17
Other Violence .....	4	2	4	8	4	4	2	1	1	3	11	30	74
Other Defd. Dis. ...	8	3	5	22	11	9	4	3	3	14	50	61	198
Ill-defined or not known .....	...	...	2	...	...	...	2	...	...	...	2	8	14
Diarrhoea (2 years & over) .....	...	1	...	1	...	1	...	...	...	...	1	2	6
Special Causes (included in No. 35 above) .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Smallpox .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Polioencephalitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Polioomyelitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>TOTALS .....</b>	<b>100</b>	<b>77</b>	<b>89</b>	<b>307</b>	<b>100</b>	<b>85</b>	<b>52</b>	<b>42</b>	<b>36</b>	<b>141</b>	<b>379</b>	<b>781</b>	<b>2,189</b>



The number and percentage of Deaths at different Age Periods are given below :—

Age Period.		No. of Deaths.		Percentage of Total Deaths.
0— 1	...	128	...	5·8
1— 2	...	14	...	·6
2— 5	...	24	...	1·0
5—15	...	29	...	1·3
12—25	...	59	...	2·6
25—35	...	69	...	3·1
35—45	...	87	...	3·9
45—55	...	165	...	7·4
55—65	...	355	...	16·2
65—75	...	644	...	29·4
75 and upwards		615	...	28·0
Total	...	2189	...	13·6

#### LABORATORY FACILITIES.

There have been no changes in the arrangements made for the bacteriological examination of specimens in the County during the year.

Specimens are sent to the

##### **Pathological Laboratory, Chester Royal Infirmary.**

Milk (Special Designations) Orders.

Tuberculosis Orders.

Venereal Diseases Regulations for Wassermann Reaction and Gonococci and Spirocetes.

Typing of Blood in connection with the County Blood Transfusion Service.

##### **Wrexham and East Denbighshire War Memorial Hospital.**

Milk samples in the Wrexham area.

##### **University College of North Wales.**

Samples of milk from Western portion of County.



**Wrexham Joint Fever Hospital.**

Swabs for Diphtheria from suspected or contact school cases.

**Welsh National Memorial Association.**

Specimens of Sputa from Tuberculosis or Tuberculosis(?) cases.

**Food and Drugs Acts.**

Analyses undertaken by Mr. F. A. Lowe, County Analyst, Chester.

**AMBULANCE SERVICE.**

The following are particulars of the Ambulance Services in the County :—

**The Venerable Order of the Hospital of St. John of Jerusalem,  
Priory for Wales.**

**Wrexham Division.**

Number of cases conveyed .....	1307
Number of miles covered .....	12594
Road Accidents .....	118
Mileage run .....	589
Number of cases where First Aid was rendered .....	319
Public functions attended .....	509
Number of hours given voluntarily by men	10122

**Colwyn Bay and District Motor Ambulance Corps.**

Number of cases conveyed .....	453
Fatal Accidents .....	16
Other Accidents .....	73
Admissions to Hospital .....	172
Admissions to Nursing Homes .....	75
Transport from House to House .....	55
Total Mileage .....	8147
Actual hours Ambulances (Vehicle Duty) ...	758
Actual Hours Men on Voluntary Cases Duty .....	3032

**Oswestry and District.**

Number of Cases conveyed .....	250
Number of Miles covered .....	6537
Road Accidents .....	35
Miles covered .....	354

The Ambulance Service is a 24 hour service, and one driver, one orderly and one nurse are on call throughout the day and night.

### **Denbigh.**

The Ambulance in Denbigh, purchased by the Denbigh Rotarians and presented to the Borough Council, is used for maternity, sickness and accident cases.

### **Parish of Rhosllanerchrugog.**

As a result of subscriptions and local voluntary efforts an Ambulance has been provided to serve the populous Parish of Rhosllanerchrugog. It was obtained in November of 1939 and details of the service rendered will be included in the Annual Report for 1940. The Hon. Secretary is A/Sergt. Parry.

## **NURSING IN THE HOME**

Nursing in the homes is provided by the District Nursing Associations in the County. The County has no whole-time Nurses for the purpose but when an emergency arises the services of a temporary Nurse are arranged for.

Patients suffering from tuberculosis needing treatment at their homes are nursed by the local District Nurses by arrangement with the Welsh National Memorial Association.

The nursing of maternity cases when necessary after the period of puerperium is undertaken by the County Midwives or Midwives working under the District Nursing Association.

### **Home Helps.**

A scheme is in operation in the County for the provision of Home Helps to attend mothers before, during and after confinement. They perform all the domestic duties usually undertaken by the mother.

A County Register of Home Helps is kept.

## **CLINICS AND TREATMENT CENTRES.**

### **Maternity and Child Welfare Clinics.**

One new Clinic was established during the year, at Glan Conway.

The new clinic premises at Denbigh and Gwersyllt are also opened during the year. These two clinics are excellently equipped and will fill a long felt want in their respective districts.

Full particulars of the Maternity and Child Welfare Clinics in the County will be found on page 26.

### **Ante-Natal Clinics.**

The following are the Ante-natal Clinics established in the County :—

*Wrexham	Tuesdays, 9.30 a.m. to 1 p.m., 2 p.m. to 5 p.m. Wednesdays, 9.30 a.m. to 1 p.m.
*Rhos	Mondays, 2 p.m. to 5 p.m.
*Cefn	Fridays, 10.30 a.m. to 1 p.m.
†Abergele	Thursdays, 11 a.m. to 1 p.m.
†Denbigh	Wednesdays, 11 a.m. to 1 p.m.
†Llanrwst	Thursdays, 2.30 p.m. to 5 p.m.
†Ruthin	Thursdays, 2 p.m. to 5 p.m.
†Llangollen	Tuesdays, 2.30 p.m. to 5 p.m.

\* Weekly Clinics.

† Fortnightly Clinics.

The above are under the charge of Mr. R. Owen Jones, F.R.C.S., County Obstetric Officer.

The Health Visitors and County Midwives attend these clinics and render assistance. Private Midwives also attend with their own patients.

### **Venereal Diseases Clinics.**

Denbighshire patients suffering from Venereal Diseases usually attend at the Wrexham War Memorial Hospital, for diagnosis and treatment. Patients, however, residing in the western portion of the County are allowed to attend at the Chester Royal Infirmary and Caernarvonshire and Anglesey Infirmary, Bangor.

Beds are specially reserved at the Wrexham War Memorial Hospital for in-patients.

The railway or bus fares of necessitous patients are advanced from the County Health Offices, such patients presenting a card signed by a responsible officer at the clinic. The amount of fares allowed in 1939 was £12 5s. 10d., as compared with £25 8s. 11d. in 1938.

Table XV, page 68, gives particulars of the work of the Venereal Diseases Clinics.

### Orthopaedic Clinics.

After-Care Clinics are held in the County for the treatment of orthopaedic cases of non-tuberculous origin. These clinics are visited by the staffs of the Robert Jones and Agnes Hunt Orthopaedic Hospital, Gobowen. Cases requiring operative treatment are admitted to the Orthopaedic Hospital.

The Denbighshire Voluntary Orthopaedic Association continue to render immeasurable service by giving financial assistance in necessitous cases.

### MENTAL TREATMENT ACT.

The following is the report of Dr. J. H. O. Roberts, Medical Superintendent of the North Wales County Mental Hospital on the work undertaken at his Wrexham and Colwyn Bay clinics :—

" Wrexham .....	18 patients
Colwyn Bay .....	10 patients
	—
Total .....	28 patients
	—

I should point out that most of these cases were new ones referred to the clinic by their doctor for an opinion.

In addition, many relatives wishing to discuss matters with regard to patients in the hospital were seen.

Although Dr. Jones has retired from the Medical Superintendency he has undertaken to continue to conduct the clinics for the time being."

### HOSPITAL ACCOMMODATION.

The following table gives particulars of the accommodation of hospitals within the County area. It should be borne in mind, however, that patients from this County are also treated at hospitals in Chester, Liverpool, Manchester and Bangor, while orthopaedic patients are treated at the Gobowen Orthopaedic Hospital.

TABLE V. Hospital Accommodation.

Name of Hospital	BEDS			Total	
	Males	Females	Child		
<b>VOLUNTARY</b>					
Wrexham War Memorial Hospital...	86	55	18	159	EMS Beds, 50
Colwyn Bay and West Denbighshire Hospital ... ..	25	25	10	60	
Denbighshire Infirmary, Denbigh ...	25	17	3	45	
Chirk and District Cottage Hospital ...	12	12	2	26	Private Wards, 6
Llangollen Cottage Hospital ... ..	4	6	—	10	
	152	115	33	300	
<b>PUBLIC ASSISTANCE</b>					
Croesnewydd, Wrexham ... ..	74	61	36	171	
Ruthin ... ..	20	20	4	44	
	94	81	40	215	
<b>FEVER HOSPITALS</b>					
Wrexham Joint Fever Hospital ... ..				100	
Brynant Isolation Hospital, Colwyn Bay				14	
St. Asaph Joint Isolation Hospital ...				85	
Croesnydd Hospital, Conway ... ..				56	
Small-pox Hospital (Rhydallt) ... ..				12	
Penrhos College Sanatorium... ..				50	
				317	
<b>COUNTY MATERNITY HOSPITAL,</b>					
Ruabon ... ..		12		12	Temporary Hospital



### **Poor Law Medical Relief.**

For the purposes of Poor Law Medical Relief the County is divided into 19 areas, each area being under the charge of a part-time Medical Officer, who in most districts also acts as Public Vaccinator. There has also been close co-operation between the County Medical Officer and the District Medical Officers and the latter submit periodical reports to the County Medical Officer through the Public Assistance Officer.

There are two Public Assistance Institution Hospitals in the County, viz., Croesnewydd Hospital, Wrexham, and the Public Assistance Hospital, Ruthin.

### **INSTITUTIONAL CARE FOR MENTAL DEFECTIVES.**

There are two institutions certified for the admission of mental defectives under the control of the County Council, viz., Coed Du Hall (in Flintshire) and Ruthin Public Assistance Institution.

The accommodation at Coed-du is for 73 female defectives, while 18 males and 1 female are accommodated at Ruthin.

The matter of finding institutions for mental defectives is becoming an urgent one.

---

## **COUNTY OF DENBIGH.**

### **THE MENTAL DEFICIENCY REGULATIONS, 1935.**

**Dated 5th June, 1935**

(Paragraph 12).

Report required by the Board of Control under the above Regulations for the year ended 31st December, 1939:—

- (a) **The total number of defectives dealt with, the mode in which they were provided for, and a general account of their mental and physical conditions.**

5 mental defectives were certified during the year, viz.: 2 males, both imbeciles; and 3 females, all imbeciles.

**Males.**

2 imbeciles were admitted to Caersws (Newton and Llanidloes Public Assistance Institution).

**Females.**

2 imbeciles were admitted to Caersws Certified Institution, and 1 imbecile was admitted to the Royal Albert Institution, Lancaster.

The physical condition in each case was regarded as good.

- (b) **The number of admissions to care, removal from care, and death, and the number remaining under care at the end of the year, distinguishing in each case those dealt with at Institutions, under guardianship, under supervision and in Approved Homes.**

(1) No. of admissions to care .....	5
(2) Removals from care .....	—
(3) Deaths .....	3
(4) No. remaining under care (Statutory Supervision) at the end of the year .....	133
(a) Admitted to Institutions .....	5
(b) Under supervision .....	—
(c) Under Guardianship .....	—
(d) Approved Homes .....	—

- (c) **A Statement respecting the provision made for**

- (1) **Classification.**

Coed Du Hall Certified Institution.

Ruthin Public Assistance Institution.

Every possible arrangement is made at these Institutions to classify patients.

- (2) **Industrial, Training and Education.**

No provision is made for the industrial training and education of patients.



(3) **Employment.**

No arrangements are made for the employment of patients.

(4) **Promoting of Industry and good behaviour, including any system of encouragement and reward.**

(a) **At Coed Du Hall Institution.**

The Matron is allowed to dispense the weekly sum of 12/6 to patients as a reward for good behaviour.

(b) **Ruthin Public Assistance Institution.**

The Master is allowed to give a supply of tobacco as a reward for good behaviour, and sweets to non-smokers. Patients are also taken to the local cinema.

(5) **Recreation and play.**

(a) **At Coed Du Hall Institution.**

The patients are interested in gardening, knitting, raffia work, embroidery, rug-making, basket-making, glove-making and sun-bonnets. They partake in games, e.g., tennis, clock golf, deck tennis, etc., and indoor games, e.g., cards. They also partake in folk and ball-room dancing, singing and country walks. One of the patients gained 3rd prize in the Open Handiwork Competition at Croydon.

(b) **Ruthin Public Assistance Institution.**

The patients undertake fretwork, rug-making and raffia work. The games are billiards, bagatelle, cards, draughts, etc., also football and cricket. No arrangements have been made for extending the playing fields. This is an urgent matter.

(6) **Attendance at Religious Services.**

(a) **Coed Du Hall Institution.**

The patients attend either the Church of England or Welsh Chapel in Rhydymwyn every Sunday morning, also the Sunday School in the afternoon. They also attend Special Services, such as Harvest Thanksgiving, etc.

(b) **Ruthin Public Assistance Institution.**

Patients attend Religious Services every Sunday morning at the Institution Chapel. The Service is taken alternately by the Vicar and the Non-Conformist Minister.

TABLE VI

*Particulars of Mental Defectives as on 1st January, 1940 :—*

(A) "Subject to be dealt with" by the Local Authority;

(B) Who may become "subject to be dealt with" by the Local Authority.

N.B.—No case should be included under more than one heading of A or B.

	M	F	T
A.—Number of Mental Defectives ascertained to be "subject to be dealt with" :—			
1. Under "Order" :—			
(a) (1) In Institutions (Excl. cases on Licence)			
(Under 16 years of age) ... ..	14	10	24
(Aged 16 years and over)... ..	26	75	101
(2) On Licence from Institutions			
(Under 16 years of age) ... ..	...	...	...
(Aged 16 years and over)... ..	1	3	4
(b) (1) Under Guardianship (Excl. cases on Licence)			
(Under 16 years of age) ... ..	...	1	1
(Aged 16 years and over)... ..	6	8	14
(2) On Licence from Guardianship			
(Under 16 years of age) ... ..	...	...	...
(Aged 16 years and over)... ..	...	...	...
2. In "places of safety"			
(Under 16 years of age) ... ..	...	...	...
(Aged 16 years and over)... ..	2	1	3
3. Under Statutory Supervision ... ..	49	78	127
Of whom, awaiting removal to an Institution	15	7	22
4. Action not yet taken under any one of the above headings :—			
(a) Notified by Local Education Authorities (Sec. 2 (2)) ... ..	...	...	...
(b) Mental Defectives in receipt of Poor Relief :—			
(1) (a) In Public Assistance Institutions and Municipal General Hospitals not approved under Sec. 37 ... ..	35	31	66
(b) In Institutions certified under the M.D. Acts (including those approved under Section 37). ... ..	...	...	...
1. Cases "placed" under Sec. 3... ..	...	...	...
2. Other cases ... ..	...	1	...
Institutional.			

	M	F	T
2. Domiciliary ... ..	33	41	74
(c) Otherwise "ascertained" ... ..	12	8	20
B.—Number of Mental Defectives not at present "subject to be dealt with" but for whom the Local Authority may subsequently become liable :—			
1. In Institutions or under Guardianship, dealt with under Sec. 3 :—			
(a) In regard to whom the Local Authority contributes under its permissive powers ...	...	...	...
(b) Maintained wholly by parents, relatives or others ... ..	...	...	...
2. Reported to the Local Authority from any reliable source and recognised by them as mentally defective but as to whom no action under the Mental Deficiency Acts has been taken :—			
(a) Children between the ages of 14 and 16 years ... ..	...	...	...
Of whom, number, if any, under Voluntary Supervision ... ..	...	...	...
(b) All other cases ... ..	...	...	...
Of whom, number, if any, under Voluntary Supervision ... ..	...	...	...
Number of above cases on the Registers of Occupa- tion and Industrial Centres :—			
Under Statutory Supervision ... ..	...	...	...
Under Voluntary Supervision ... ..	...	...	...
On Licence from Institutions ... ..	...	...	...
Under Guardianship ... ..	...	...	...
On Licence from Guardianship ... ..	...	...	...
During the Year 1939.			
1. (a) Number of instances in which Licence was granted during 1939 :—			
(1) From Institutions ... ..	1	...	1
(2) From Guardianship ... ..	...	...	...
Number of instances in which cases on Licence have been returned to Institutions or transferred to Guardianship during the year 1939 :—			
(1) To Institutions ... ..	...	1	1
(2) To Guardianship ... ..	1	...	1

	M	F	T
2. Cases notified by Local Education Authorities (Section 2 (2) during the year 1939 :—			
Method of Disposal :—			
Sent to Institutions (by Order) ... ..	2	1	3
Placed under Guardianship (by Order) ... ..	1	...	1
Placed under Statutory Supervision ... ..	...	...	...
Placed in "places of safety" ... ..	...	...	...
Died or removed from Area... ..	...	...	...
Action not yet taken :—			
(a) In receipt of Poor Relief ... ..	...	...	...
(b) Others ... ..	...	...	...
Total	3	1	4

3. Of the total number of mental defectives known to the Local Authority :—

(a) Number who have given birth to children during 1939 :

(1) After marriage ... .. No information

(2) While unmarried ... .. No information

(b) Number who have married during 1939 : No information.

## MATERNITY AND CHILD WELFARE.

### Midwifery and Maternity Services.

Under the scheme for domiciliary service of Midwives under the Midwives Act, 1936, 5 whole-time County Midwives have been appointed by the County Council, viz., 3 in the Borough of Wrexham and 2 in the Parish of Rhosllanerchrugog.

There are also 47 midwives employed by the County Nursing Association, including 2 emergency Midwives.

All these Midwives are supervised by the County Council.

The midwifery service in the County is generally satisfactory.

### Ante-Natal.

The following is the report of Mr. R. Owen Jones, F.R.C.S., County Obstetric Officer, upon the ante-natal work undertaken during the year, 1939 :—

I beg to submit the Annual Report on the Obstetric Service :—

## 1. Clinics.

Total Examination at all Clinics ..... 4110

### (a) Ante-natal Clinics.

Total Examinations ..... 3570  
New Cases ..... 1088

	New Cases	Total Attendances
Wrexham .....	450	1231
Rhos .....	141	550
Cefn .....	105	430
Llangollen .....	53	263
Ruthin .....	94	280
Denbigh .....	118	402
Abergele .....	71	245
Llanrwst .....	56	169

### (b) Post-natal and Gynaecological.

Total Examinations ..... 575  
New Cases ..... 408

	New Cases	Total Attendances
Wrexham .....	100	140
Rhos .....	53	72
Cefn .....	30	40
Llangollen .....	42	64
Ruthin .....	37	45
Denbigh .....	94	129
Abergele .....	24	44
Llanrwst .....	28	41

## 2. Ruabon Maternity Hospital.

There were 218 admissions. Of these 186 were confinement cases, 177 babies were born (7 lots of twins), 25 were ante-natal; 7 were post natal.

There were 4 neo-natal deaths, the causes being:—

Melaena neonatorum,

Prematurity due to maternal placenta praevia,

2 cases of Intra-cranial haemorrhage.



There were 3 maternal deaths. One was an undelivered eclamptic. The other two died following the birth of twins, one being also an eclamptic. All these were admitted in labour; two being in coma on admission. The two mothers of twin pregnancies were both the undernourished wives of unemployed men.

### 3. Consultations.

269 with 55 doctors

Ante-natal, 89 (22 were toxæmic)

In labour, 67 (31 were "obstructed")

Post-natal, 57 (29 were puerperal pyrexia)

Gynaecological, 56.

R. OWEN JONES,  
County Obstetric Officer.



TABLE II. ADMINISTRATIVE COUNTY OF DENBIGH  
Excluding Municipal Boroughs of Wrexham and Colwyn Bay (Patients under 5 years).

Diagnosis, Age .....	Total Treated.		Cured.		Improved.		Ceased to attend.		Left district.		Treated elsewhere.		No improvement.		Died.		On books 31/12/30.		On Appliance Supervision	
	e	91-e	e	91-e	e	91-e	e	91-e	e	91-e	e	91-e	e	91-e	e	91-e	e	91-e	e	91-e
1 Arthritis .....	1	12	102	4	7	11	2	4	1	1	11	62	11	62	1	1	36	39	5	11
2 Congenital Deformities .....	41	44	9	1	3	5	1	2	1	1	1	1	1	1	1	1	1	1	1	1
3 Claw foot .....	2	16	24	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Erb's palsy .....	3	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Flat foot .....	21	56	89	2	4	13	1	1	3	1	18	46	55	11	1	1	3	5	2	11
6 Hallux rigidus .....	1	18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Hallux valgus .....	6	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Injuries .....	1	36	165	3	26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9 Knock-knees .....	7	21	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 Osteomyelitis .....	8	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 Poliomylitis .....	26	34	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12 Rickets .....	24	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 Postural Defects .....	9	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14 Scoliosis .....	7	23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15 Spastic diplegia .....	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16 Spastic hemiplegia .....	2	10	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17 Spastic paraplegia .....	1	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18 Spastic paraplegia .....	2	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19 Perthes' Disease .....	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 Osteo-Chondritis .....	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21 Torticollis .....	5	8	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22 Fibrositis .....	2	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23 Spasmodic Flat foot .....	27	46	122	5	6	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24 Tenosynovitis .....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25 Others .....	27	46	122	5	6	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Totals .....	141	342	647	10	21	53	10	31	71	2	6	11	1	2	11	1	3	111	273	373

## Preventive Cases.

[illegible]

	On Books 1/1/39.	Admitted during 1939.	No. treated during 1939.	Discharged during 1939.	On Books 31/12/39	On Appli- ance Super- vision 1939.	Attendan- ces during 1939.
—5 years .....	141	125	266	77	189	...	633
(M. & C.W.)							
5-16 years .....	385	237	622	128	494	...	1973
(S.M.S.)							
16+ years .....	409	253	662	215	381	66	1580
(V.O.A.)							
Totals .....	935	615	1550	420	1064	66	4186

The total number of patients treated was 1490. In the summary at the bottom there are included in the "Under 5" age period 39 patients who attained school-going age during the year, and are, therefore, included in the age period "5—16 years." There are also 21 patients who commenced the year in the "5—16" age period who attained adult age during the period under review. Also 42 cases were examined by the Surgeon—no treatment found necessary.

## HEALTH VISITING.

The principal duties of the Health Visitors in the County include attendance at Ante-natal and Maternity and Child Welfare Clinics as well as following-up to the homes periodically all notified births in their areas. In addition they attend clinics for the immunisation of children against diphtheria, and pay special visits every month to the homes of children under 2 years of age; every two months to children between the ages of 2 and 3 years; and every three months to children between the ages of 3 and 5 years.

In addition to health visiting they divide about half their time to duties under School Medical Service (Attendance at routine medical inspection; school clinics for Tonsils and Adenoids; Eye Refraction Clinics; Minor Ailment Clinics; and visits to schools for Cleanliness Surveys), besides visiting the homes of children found defective at medical inspections.

A considerable amount of additional work has been performed by them in connection with the evacuation of children, and this will be best appreciated when one recalls the state the children were in when they were first evacuated into this County.

The Health Visitors during the year paid 13076 visits to children between the ages of 12 months and 5 years. The following table gives the number of visits paid during the past six years :—

1934 .....	11693
1935 .....	9668
1936 .....	10268
1937 .....	12748
1938 .....	12441
1939 .....	13076

## REPORT OF SUPERINTENDENT HEALTH VISITOR AND SUPERVISOR OF MIDWIVES.

### The Midwifery Service.

Total number of Domiciliary Midwives in practise at the end of year 1939 :—

1. Salaried Midwives .....	55
2. Independent Midwives .....	33
Number of visits paid to midwives :—	
1. Routine .....	294
2. Special .....	114
Special Investigations (midwifery) :—	
1. Puerperal Pyrexia .....	23
2. Ophthalmia Neonatorum and discharging eyes .....	32
3. Maternal Deaths .....	—
Miscellaneous visits connected with midwifery, to doctors and patients, etc. ....	38
Meetings and Lectures connected with midwifery Health Visiting, etc. ....	22
Number of visits paid to Health Visitors .....	24
Visiting Houses with Health Visitors .....	93
Visits to—	
M.C.W. Clinics .....	22
Minor Ailment Clinics .....	8
Ante-natal Clinics .....	23
Schools with Health Visitors .....	16
Connected with Infant Life Protection .....	12
Nursing Homes .....	19

Approximately two days weekly were spent at the Office looking over records, reporting and interviewing Health Visitors and Midwives.

### **The Health Visiting Service.**

On the outbreak of War routine work was greatly hampered by evacuation problems and billeting, etc. Routine visits to babies and children under 5 years have consequently been less frequent, but this was unavoidable and I hope will be remedied in the coming year as much as possible.

The M.C.W. Clinic attendances have been good throughout the County.

The weekly returns and records of Health Visitors have been well done and kept up to date.

One of the Health Visitors, Miss Rees, resigned and has been replaced by Miss Evans.

### The Midwifery Service.

Particulars of cases attended by Domiciliary Midwives :—

	By Salaried Midwives.	By Indepen- dent Midwives.
No. of cases attended .....	1024	194
No. of times Medical Aid sent ...	368	76
(a) during pregnancy .....	54	9
(b) during labour .....	224	61
(c) during puerperium .....	46	3
(d) for Infant .....	54	3
No. of still-births notified .....	26	13
No. of forceps deliveries .....	107	61
No. of deaths of infants, 1 month	42	5
No. Maternal deaths .....	—	—
No. of maternity cases .....	273	73

It will be noticed from the above figures that midwifery cases are attended usually by salaried midwives throughout the County.

They co-operate well with the County Health Services. They are very keen and interested in their work and take every opportunity to keep this work up to date. They have attended the Ante-natal Clinics whenever possible and frequently conveyed their patients from rural districts, who would otherwise have been unable to attend.

Those Midwives who were previously working as Independent Midwives have successfully overcome their competitive attitude and are now able to work together and assist each other.

The three Emergency Queen's Nurse Midwives have been invaluable by filling in gaps, relieving during sickness, attending cases of sepsis, assisting busy areas and holiday duties.

Until the outbreak of War, regular lectures were given at the County Health Office, Wrexham, to Midwives and we have been fortunate in obtaining good Lecturers.

Post Graduate Courses of one month were continued until the War made this impossible.

M. E. THORPE.



## MILK SUPPLY.

Dried and Fresh Milks are supplied at or through the County Ante-natal and Maternal and Child Welfare Clinics on the advice of the Clinic Medical Officer. Free supplies are granted in necessitous cases.

**Dried Milk.**

During 1939 16,105 packets of Dried Milk were given free and 9,611 were sold. In 1938, the respective figures were 15,196 and 9,241.

The following table shows the areas in the County in which Dried Milk was distributed:—

Name of Nurse or Centre	No. of packets sold.	No. of packets given free.
Abergele .....	1073	... 614
Nurse Bodsworth, Llay .....	211	... 363
Nurse Bodsworth, Rhosrobin .....	392	... 369
Nurse Glover, Chirk & Glynceiriog .....	564	... 1396
Nurse M. Williams, Denbigh .....	1053	... 1289
Nurse E. G. E. Jones, Ruthin .....	297	... 210
Nurse E. A. Rees, Coedpoeth .....	607	... 328
Nurse E. A. Rees, Southsea .....	237	... 236
Nurse K. Jones, Rhos .....	1440	... 1949
Nurse L. F. Gittins, Rhostyllen .....	389	... 886
Nurse C. J. Thomas, Broughton ...	771	... 2221
Nurse C. J. Thomas, Brymbo .....	449	... 1438
Nurse M. R. D. Williams, Cefn ...	937	... 3353
Nurse M. R. D. Williams, Llangollen .....	543	... 717
Nurse E. W. Edwards, Llanrwst ...	374	... 730
Nurse E. W. Edwards, Glanconway .....	274	... 6
	9611	... 16105

**Fresh Milk.**

Fresh Milk, supplied to 1,143 mothers, amounted to £893 19s. 6d., as compared with £759 6s. 9d. to 221 mothers in 1938. The gallonage of Fresh milk was 8,389.

## MATERNITY HOMES.

The total number of registered Maternity Homes in the County is 5.

## MIDWIVES ACT, 1918.

The following table furnishes particulars of the medical claims under the Midwives Act, 1918, during the year 1939, together with the amount recovered under section 14:—

No. of Cases.	Total Amount of Claims.	Amount Recovered.
436	£668/2/6	£164/12/9

The following table describes the nature of the emergencies for which midwives summoned medical aid:—

Nature of Emergency.	No. of Cases.
Uterine Inertia .....	37
Prolonged Labour .....	24
Delayed Labour .....	29
Difficult Labour .....	36
Malpresentation (Breech) .....	25
do. (Occipito Post) .....	32
do. (Transverse) .....	17
Miscarriage .....	34
Ruptured Perineum .....	49
Retained Placenta .....	14
A.P.H. ....	24
P.P.H. ....	17
Discharging Eyes .....	9
Premature Baby .....	14
Pyrexia .....	7
Spina Bifida .....	4
Hydramnios .....	6
Albuminuria .....	13
Eclampsia .....	2
Toxaemia .....	1
Convulsions .....	3
Stillbirth .....	2
Contracted Pelvis .....	32
Conjunctivitis .....	3
Hydrocephalus .....	1
Tetanus Neonatorum .....	1
	<hr/> 436 <hr/>



### COD LIVER OIL.

Children under 5 years of age are supplied with Cod Liver Oil on the advice of the Medical Officer in charge of the clinic. This is given free in necessitous cases, otherwise a small charge is made. During the year 331 children were supplied with Cod Liver Oil free of charge.

### DENTAL TREATMENT OF EXPECTANT MOTHERS AND CHILDREN UNDER FIVE YEARS OF AGE.

The following is a report by Mr. J. G. Roberts, L.D.S., County Dental Surgeon, on the work undertaken by him in the dental treatment of expectant and nursing mothers during the year :—

Dear Dr. Thomas,

I beg to submit my report for 1939. During this year, the Dental Service to Nursing and Expectant mothers has expanded rapidly and clinics have been established at all centres in the County and I now have long waiting lists at each clinic. Arrangements were also made for the supply of dentures. Unfortunately, owing to the outbreak of war the active start had to be postponed for some time but I am happy to state that this service is now in operation and greatly appreciated. There is, however, a long waiting period between the extraction of teeth and insertion of dentures, due mainly to the limited time at my disposal and partly to the fact that some time had to be found for the treatment of Evacuated Mothers and young children. I would like to express my appreciation to my Nurse, Miss Price, especially for her help in anaesthesia, and to the Nursing Staff for their great assistance, also to the office staff at Grosvenor Road for their help in designing the necessary forms, etc.

Yours faithfully,

J. G. ROBERTS,  
County Dental Surgeon.

### EVACUATION OF EXPECTANT MOTHERS FROM BIRKENHEAD.

In a magnificent spirit of sacrifice, Mrs. Gossage placed her home, Gerwyn Hall, near Marchwiell, at the disposal of the County and this commodious and secluded residence was earmarked for the reception of expectant mothers evacuated under the scheme of the Birkenhead Corporation.

By arrangements made between the Birkenhead Corporation and the Ministry of Health, the Hall was opened in September, 1939, and from the 9th of September to the end of December, 1939. 42 confinements took place, resulting in 42 live births (including twins) and one still birth.

It was disappointing that the number of confinements was so small, as the number of evacuees at first estimated by the Birkenhead Authority was about 400 and complete arrangements regarding equipment, etc., were made for dealing with this number. It was expected that there would be an average of 10 confinements per week so that in any one day there would be 30 in-patients in the home.

Before entering Gerwyn Hall, many of the patients had been billeted in Bersham Hall, near Wrexham, by arrangement with the Wrexham Rural District Council, which was the Billeting Authority; others were billeted in private houses throughout Wrexham Rural District area. During this period they were frequently seen by Mr. R. Owen Jones, the County Obstetric Officer.

After discharge from Gerwyn Hall all the patients were visited either at Bersham Hall or at their billets.

When the Gerwyn Hall Maternity Home was first opened the staff consisted of the following :—

Matron,  
6 Midwives (from Birkenhead Corporation).  
Cook,  
Kitchen Maid,  
Ward Maid, and  
House Maid.

This staff, however, was reduced in ratio with the diminution in number of the patients admitted.

The conveyance of patients was made by means of cars placed at the disposal of the Maternity Home by Mrs. Gossage.

Sister A. B. Davies was transferred from the Ruabon County Maternity Hospital to undertake the duties of Matron, while Mr. R. Owen Jones, F.R.C.S. County Obstetric Officer, was in charge as obstetrician. The administrative duties were performed by my Chief Clerk, Mr. J. T. Pritchard.

Occasionally dental treatment was indicated and the County Dental Surgeon, Mr. J. G. Roberts, undertook this service.

Periodical visits were paid to the Gerwyn Hall Home by Dr. Morley Mathieson, Medical Officer of Health, Birkenhead, and his Assistant, Dr. Unsworth, and both expressed themselves as satisfied with the arrangements made.

### REGISTRATION OF NURSING HOMES.

There are 19 registered Nursing Homes in the County. These are regularly visited by the Assistant County Medical Officers or Superintendent Health Visitor.

### MATERNITY AND CHILD WELFARE.

The following table furnishes statistics submitted to the Ministry of Health regarding the work carried out in the County under the Maternity and Child Welfare Scheme. The boroughs of Wrexham and Colwyn Bay are not included as they have schemes of their own.

1. **Population of the area served by the Council as Welfare Authority .....** 109860

2. **Number of births notified in that area during the year under Section 203 of the Public Health Act, 1936, or Section 255 of the Public Health (London) Act, 1936, as adjusted by any transferred notifications.**

(a) Live Births, 1674; (b) Still Births, 69; (c) Total, 1743. (d) By Midwives, 1682; (e) by Doctors and Parents, 61.

3. **Health Visiting.**

(a) No. of Health Visitors employed at the end of the year:—

(1) By the Council and working in the area served by the Council—10 and 1 Supt. Health Visitor.

- (2) By the Council and working in the areas of other Local Authorities—Nil.
- (3) By Voluntary Associations and working in the area served by the County—Nil.
- (4) By Voluntary Associations and working in the areas of other Local Authorities—Nil.
- (b) Equivalent of whole-time services devoted by the whole staff to health visiting in the area (including attendance at infant welfare centres):—
  - (1) In the case of Health Visitors employed by the Council—One-half M. & C.W.; One-half School Medical Service;
  - (2) In the case of Health Visitors employed by Voluntary Associations—Nil.
- (c) Number of visits paid during the year by all Health Visitors working in the area :
  - (1) To Expectant Mothers :
 

First Visits .....	412
Total visits .....	760
  - (2) To children under 1 year of age :
 

First Visits .....	1819
Total Visits .....	9189
  - (3) To children between the ages of 1 and 5 years :
 

Total Visits .....	13076
--------------------	-------

#### 4. Infant Welfare Centres.

- (a) Number of Centres provided and maintained by the Council ..... 17
- (b) Number of Centres provided and maintained by Voluntary Associations ..... —

(c) Total no. of children who first attended at the Centres during the year and who, on the date of their first attendance, were :

(1) Under 1 year of age .....	1182
(2) Between the ages of 1 and 5 years .....	657

(d) Total number of children under 5 years of age who attended the Centres during the year and who, at the end of the year, were :

(1) Under 1 year of age .....	1091
(2) Over 1 year of age .....	1812

#### 5. Ante-natal and Post-natal Services.

	Ante-natal	Post-natal
(a) Ante-natal and Post-natal Clinics (whether held at Infant Welfare Centres or at other premises) :		
		By
(1) No. of Clinics provided and maintained by the Council .....	8	appointment
(2) No. of Clinics provided and maintained by Voluntary Associations ...	—	—
(3) Total number of women who attended at the Clinics during the year ...	1088	385
(b) Total number of expectant Mothers ante-natally examined and of cases post-natally examined during the year, under the arrangements made by the Council with private medical practitioners, excluding cases included under 5 (a) (3) .....	—	—

#### 6. Supply of Milk and Food.

(a) Indicate what arrangements are made for this service by inserting " Yes " or " No " in each space in the following table :—



Terms of Supply	Milk			Meals supplied at Dining Centres			Other Food		
	Expectant Mothers	Nursing Mothers	Children under 5	Expectant Mothers	Nursing Mothers	Children under 5	Expectant Mothers	Nursing Mothers	Children under 5
Free, or at less than cost price in necessitous cases .....	Yes	Yes	Yes	No	No	No	No	No	No
At cost price in other cases (e.g., sale of dried milk at Centres) .....	Yes	Yes	Yes	No	No	No	No	No	No

(b) Total quantity of milk supplied during the year to expectant mothers and young children :—

	Liquid gallons	Dried pounds
(1) By the Council .....	8389	16105
(2) By Voluntary Associations operating in the area of the Council .....	—	—
Totals .....	8389	16105



**7. Maternity Homes and Hospitals (excluding maternity beds in Homes for Mothers and Babies and Improvised Maternity Homes under paragraph 26 of Circular 1882).**

	Separate Maternity Institutions provided by the Council	Other Institutions (with Maternity Wards) provided by the Council	Institutions provided by Voluntary Associations and subsidised by the Council
No. of Institutions .....	1	2	—
No. of maternity beds (exclusive of isolation and labour beds) .....			
<i>a</i> Normal complement before emergency ...	12	7	—
<i>b</i> Complement at 31st December, 1939 .....	12	7	—
Total no. of women admitted to these beds during the year. ....	209	126	—
No. of beds (included in the figures above) allocated to, and reserved for, expectant mothers in need of hospital treatment .....	See note on Form M.C.W. 90(a) (revised)		3
Total no. of women treated in these beds during the year .....	30	8	—

Number of women (if any) sent by the Council during the year to other Maternity Institutions Nil

**8. Day Nurseries.**

- (a) Number of day nurseries :
- (1) provided by the Council .....
- (a) prior to the emergency .....
- (b) and working in the Council's area on the 31st December, 1939 .....

(2) provided by Voluntary Associations .....	—
(a) prior to the emergency .....	—
(b) and working in the Council's area on 31st December, 1939 .....	—
(b) No. of places for children under 5 years of age in the nurseries :	
(1) provided by the Council .....	—
(a) prior to the emergency .....	—
(b) at 31st December, 1939 .....	—
(2) provided by Voluntary Associations .....	—
(a) prior to the emergency .....	—
(b) at 31st December, 1939 .....	—
(c) Total number of attendances of children at these nurseries during the year .....	—

## 9. Infectious Diseases.

Disease	Number of cases notified during the year	Number of cases visited by Officers of the Council	Number of cases for whom home nursing was provided by the Council	Number of cases removed to Hospitals
1. Ophthalmia Neonatorum .....	10	10	...	5
2. Pemphigus Neonatorum .....	...	...	...	...
3. Puerperal Fever .....	26	26	...	17
4. Puerperal Pyrexia .....				
5. Measles and German Measles (in children under 5 years of age)	12	12	...	...
6. Whooping Cough (do.) .....	30	30	...	...
7. Epidemic Diarrhoea (do.) .....	...	...	...	...
8. Poliomyelitis .....	3	3	...	1

Number of cases of Ophthalmia Neonatorum notified during the year in which :

(a) Vision was unimpaired .....	9
(b) Vision was impaired .....	—
(c) Vision was lost .....	—
(d) The patient was still under treatment at the end of the year .....	1
(e) The patient died .....	—
(f) The patient removed from the district .....	—
(g) classification under the above heads cannot be made (details of these cases should be attached) .....	—
Total .....	10

#### 10. Home Nursing.

(a) Number of Nurses employed at the end of the year (otherwise than for purposes of the Mid- wives Act, 1936) for the nursing of expectant mothers and children under 5 years of age, maternity nursing, or the nursing of puerperal pyrexia : (1) By the Council .....	—
(2) By Voluntary Associations .....	—
(b) Total number of cases attended during the year by these nurses .....	—

#### 11. Maternal Deaths.

(a) Number of women who died in, or in conse- quence of, childbirth in the area served by the Council for Maternity and Child Welfare dur- ing the year : (1) from sepsis .....	2
(2) from other causes .....	7
(b) Number of these cases which died : (1) at home .....	1
(2) in institutions .....	8

#### 12. Child Life Protection [Sections 206 to 220 of the Public Health Act, 1936, or part XIII of the Public Health (London) Act, 1936].

(a) Number of persons who were receiving child- ren for reward at the end of the year .....	24
--	----

(b) Number of children :	
(1) at the end of the year .....	25
(2) who died during the year .....	—
(3) on whom inquests were held during the year .....	—
(c) Number of Child Protection Visitors at the end of the year who were :	
(1) Health Visitors ..... 10 and Supt. Health Visitor	
(2) Female, other than Health Visitors .....	—
(3) Male .....	—
(d) Number of persons (in addition to or in lieu of Visitors under (c) above) or societies authorised to visit under the proviso to Section 209 (2) of the Public Health Act, 1936, or Section 258 (3) of the Public Health (London) Act, 1936 .....	—
(e) Proceedings taken during the year :	
Number of Cases .....	—

RETURN MADE BY LOCAL SUPERVISING AUTHORITY UNDER THE MIDWIVES ACTS IN RESPECT OF THE WHOLE OF THE AREA FOR WHICH THE COUNCIL ACT AS SUCH AUTHORITY.

	Midwives Domiciliary in Insti- Midwives tutions		Totals
1 Total number of Midwives practising at the end of the year in the area of the Local Supervising Authority :			
(a) Employed by the Local Supervising Authority .....	5	9	14
(b) Normally employed by other Local Supervising Authorities but temporarily working in the area .....	—	—	—
(c) Employed by other Welfare Councils :			
1. Under arrangements made with the Local Supervising Authority in pursuance of Section 1 of the Midwives Act, 1936 .....	—	—	—
2. Others .....	—	—	—

	Midwives Domiciliary in Insti- Midwives tutions		Totals
(d) Employed by Voluntary Associations :			
1. Under arrangements made with the Local Supervising Authority in pursuance of Section 1 of the Midwives Act, 1936 .....	51	—	51
2. Others (Voluntary Hospitals)	—	8	8
(e) In private practice .....	30	—	30
	—	—	—
Totals .....	86	17	103
	—	—	—

	Cases Domiciliary in insti- Cases tutions		Totals
2. No. of cases in the area of the Local Supervising Authority attended during the year by midwives :			
(a) Employed by the Council :			
1. As Midwives .....	262	—	262
2. As Maternity Nurses .....	46	448	494
(b) Normally employed by other Local Supervising Authorities but temporarily working in the area :			
1. As Midwives .....	—	—	—
2. As Maternity Nurses .....	—	—	—
(c) Employed by other Welfare Councils :			
(1) Under arrangements made with the Local Supervising Authority in pursuance of Section 1 of the Midwives Act, 1936 :			
1. As Midwives .....	—	—	—
2. As Maternity Nurses .....	—	—	—
(2) Others :			
1. As Midwives .....	—	—	—
2. As Maternity Nurses .....	—	—	—

	Cases		
	Domiciliary	Institutions	Total
(d) Employed by Voluntary Associations :			
(1) Under arrangements made with the Local Supervising Authority in pursuance of Section 1 of the Midwives Act, 1936 :			
1. As Midwives .....	762	—	762
2. As Maternity Nurses .....	227	—	227
(2) Others :			
1. As Midwives .....	—	102	102
2. As Maternity Nurses .....	—	261	261
(e) In private practice :			
1. As Midwives .....	271	—	271
2. As Maternity Nurses .....	98	—	98
	<hr/>	<hr/>	<hr/>
Totals : As Midwives .....	1295	102	1397
	<hr/>	<hr/>	<hr/>
As Maternity Nurses	371	709	1080
	<hr/>	<hr/>	<hr/>
3. No. of cases in which medical aid was summoned during the year under Section 14 (i) of the Midwives Act, 1918, by a midwife :			
(1) for domiciliary cases .....	536		
(2) for cases in institutions .....	27		
	<hr/>		
Total .....	563		
	<hr/>		
4. Administration of Analgesics :			
(a) How many midwives in practice are qualified to administer analgesics in accordance with the requirements of the Central Midwives Board? ...		4	
(b) Have arrangements, approved by the Central Midwives Board, been made for the instruction of midwives in the administration of analgesics at confinements? .....		Yes	
(c) Is apparatus for the administration of analgesics supplied to midwives by the Council? .....		No	
(d) In how many cases were analgesics administered by midwives in domiciliary practice during the year ...	6 (by one midwife)		



# TABLE VIII.

## Maternity and Child Welfare.

The following table furnishes information with regard to the Maternity and Child Welfare Centres established in the County:—

Address	Whether Sessions are held weekly or fortnightly	Day and Time of Meeting	Average attendance per session (Children).	Number of Children who attended for the first time.	Present arrangements for Medical Supervision
Southsea, Church Institute .....	Fortnightly	Monday a.m.	38	54	Assistant Med. Officer
Coedpoeth, Penygelli Schools .....	"	Monday p.m.	50	69	"
Llay, Presbyterian Chapel .....	"	Monday p.m.	68	79	"
Cefn, County Clinic .....	Weekly	Monday p.m.	90	133	"
Brymbo, Council School .....	Fortnightly	Tuesday a.m.	43	43	"
Broughton, Church House .....	"	Tuesday p.m.	66	88	"
Llanrwst, Watling Street .....	"	Wednesday p.m.	35	55	"
Glan C'way, Church Institute .....	"	Monday p.m.	27	20	"
Rhosrobin, County Clinic .....	"	Wednesday a.m.	70	103	"
Rhos, Leeswood House .....	Weekly	Wednesday p.m.	50	179	"
Llangollen, Welfare House .....	Fortnightly	Wednesday p.m.	64	56	"
Denbigh, County Clinic .....	"	Wednesday p.m.	103	127	"
Abergele, Church House .....	"	Thursday p.m.	55	81	"
Rhostyllen, Council School .....	"	Wednesday a.m.	41	42	"
Ruthin, County Hall .....	"	Tuesday p.m.	53	52	"
Chirk, The Mount .....	"	Thursday p.m.	35	63	"
Glynceiriog, Ceiriog Institute .....	"	Tuesday p.m.	24	34	"

TABLE IX.

## Summary of Work of Health Visitor.

District	Notified No. of Births	No. of First Visits	No. of visits to children under 1 year	No. of visits to children 1-5 years	Expectant Mothers	
					First Visits	Total
Rhos and Penycae .....	196	172	1170	2048	68	257
Rhostyllen, Marchwiel, Isycoed and Abenbury	121	124	645	1485	30	47
Coedpoeth, Southsea, New Broughton .....	99	103	866	1251	14	38
Brymbo, Broughton, Summerhill .....	143	164	817	906	21	28
Llay, Gresford, Rhosrobin .....	192	170	1316	983	39	63
Llangollen and Cefn .....	142	343	832	1547	107	133
Denbigh, Abergele and Aled Rural .....	233	287	1086	875	24	57
Llanrwst area .....	129	133	747	1151	33	40
Llansilin, Chirk and Glyn Ceiriog .....	133	149	777	1760	17	38
Ruthin Borough, Ruthin Rural and Cerrig ...	173	174	933	1070	59	59
	1561	1819	9189	13076	412	760

## INFECTIOUS DISEASES.

TABLE X (a).

The following table furnishes particulars respecting the notifications received during 1939, and for comparative purposes the nine preceding years are shewn:—

Disease	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
Diphtheria .....	912	1059	760	657	705	440	586	750	405	276
Erysipelas .....	45	42	46	63	55	62	63	53	70	47
Scarlet Fever .....	757	507	220	259	313	473	586	324	295	320
Enteric Fever (including Typhoid and Paratyphoid) .....	6	8	6	11	7	3	3	6	1	4
Puerperal Fever .....	5	7	8	10	9	3	11	5	...	...
Puerperal Pyrexia .....	11	25	18	22	8	23	17	25	34	24
Cerebro-spinal Fever .....	...	...	1	3	3	1	...	...	...	11
Acute Poliomyelitis .....	...	...	10	1	...	...	1	...	1	1
Ophthalmia Neonatorum .....	20	11	13	13	11	12	20	12	15	11
Pulmonary Tuberculosis .....	106	197	183	177	183	229	197	195	210	180
Other Forms of Tuberculosis ....	49	59	76	77	63	82	82	63	84	53
Pneumonia .....	112	146	157	225	191	143	138	183	160	180
Encephalitis Lethargica .....	2	4	3	3	...	2	...	2	...	1
Acute Polio-encephalitis .....	...	...	1	...	...	...	...	...	2	...
Dysentery .....	...	2	1	...	1	...	9	...	...	...
Measles (excl. German Measles) .	...	...	...	...	...	1	...	...	...	71
Malaria .....	...	...	...	...	...	...	...	1	...	...
Whooping Cough .....	...	...	...	...	...	...	...	...	...	30
Totals .....	2025	2067	1503	1521	1549	1474	1713	1619	1277	1209

**TABLE X (b).**

The allocation of the several Infectious Diseases to the Sanitary Authorities is shown in the following table:—

District	Pneumonia	Scarlet Fever	Pulmonary Tuberculosis	Other Forms of Tuberculosis	Ophthalmia Neonatorum	Acute Polion yelitis	Erysipelas	Enteric Fever	Cerebro-spinal Fever	Diphtheria	Puerperal Pyrexia	Encephalitis Lethargica	Measles (excluding German Measles)	Whooping Cough
Abergele.....	4	8	8	1	...	...	1	...	...	6	1	...	1	8
Aled .....	3	6	4	1	...	...	2	...	...	9	3	1	3	...
Ceiriog .....	3	8	6	1	...	...	...	...	...	4	1	...	1	1
Colwyn Bay .....	24	13	25	3	5	...	2	...	...	59	3	...	52	1
Denbigh .....	6	5	7	7	1	...	...	2	...	1	...	...	...	...
Hiraethog .....	...	5	7	2	1	...	1	...	...	1	...	...	1	...
Llangollen Urban...	...	2	2	1	...	...	1	...	...	...	1	...	...	...
Llanrwst Urban ...	...	9	3	4	...	...	...	...	...	1	...	...	...	...
Ruthin Borough ...	3	11	3	...	...	...	1	...	...	2	3	...	3	...
Ruthin Rural .....	11	19	9	8	...	...	2	...	...	2	1	...	...	...
Wrexham Borough ...	50	94	36	10	...	1	13	4	7	67	7	...	3	1
Wrexham Rural ...	76	140	70	15	4	...	24	...	2	124	4	...	7	27
Totals ...	180	320	180	53	11	1	47	4	11	276	24	1	71	30

## CANCER.

### Facilities for Diagnosis and Treatment.

Reference to previous reports will give details of the facilities for the diagnosis and treatment available for patients.

### Hospital Reports.

The following are particulars of the cases from this County referred for investigation and treatment at the hospitals named:—

**Christie Hospital and Holt Radium Institute, Manchester.**

Total number of Cancer cases .....	52
Total number of Non-malignant .....	23
	—
	75
	—
Number referred by Voluntary Hospitals .....	66
Number referred by Public Assistance Hospitals	1
Number referred by General Practitioners .....	7
Number referred by consultants .....	1
	—
	75
	—

Cancer Cases.	Total.	Number treated by Radiation, X-Ray, Surgery or Combined Techniques.	Number not treated. Unsuitable or too advanced.
Lip and Mouth ...	9	9	—
Breast .....	5	4	1
Skin .....	14	11	3
Cervix .....	6	4	2
Other sites .....	18	12	6
	52	40	12
Non-Malignant Cases	23	9	14
	75	49	26

**Liverpool Radium Institute and Hospital for Cancer.**

In-patients from Denbighshire .....	12
Out-patients .....	46

**Chester Royal Infirmary.**

## Deep Therapy :

In-patients .....	8
Out-patients .....	21

## Radium :

Cases seen and treated .....	12
Cases referred to Christie Hospital and Holt Radium Institute Manchester .....	6

The number of deaths from Cancer during the year was 295, as compared with 311 in 1938.

The following table gives the deaths and death rates from Cancer according to Sanitary Districts:—

Districts	Deaths			Rate per 1000 Population
	Males	Females	Total	
Urban Districts				
Abergele ... ..	8	8	16	2.3
Colwyn Bay ... ..	17	30	47	2.1
Denbigh ... ..	7	9	16	2.0
Llangollen ... ..	...	6	6	2.0
Llanrwst ... ..	3	3	6	2.3
Ruthin Borough ... ..	4	...	4	1.2
Wrexham Borough ... ..	29	18	47	1.7
Rural Districts				
Aled ... ..	3	7	10	1.5
Ceiriog ... ..	4	1	5	.7
Hiraethog... ..	6	7	13	2.3
Ruthin ... ..	16	11	27	3.0
Wrexham ... ..	51	47	98	1.6
Whole County ... ..	148	147	295	1.8

### Cancer Deaths—Age and Sex Distribution.

Age Group	Urban			Rural			Grand Total
	M.	F.	Total	M.	F.	Total	
Under 15 years...	...	...	...	...	...	...	...
15—25 ... ..	...	...	...	1	1	2	2
25—35 ... ..	...	...	...	...	1	1	1
35—45 ... ..	3	3	6	4	4	8	14
45—55 ... ..	4	8	12	13	8	21	33
55—65 ... ..	23	22	45	16	15	31	76
65—75 ... ..	25	29	54	30	30	60	114
Over 75 ... ..	13	12	25	16	14	30	55
Totals ... ..	68	74	142	80	73	153	295



**Wrexham and East Denbighshire War Memorial Hospital.**

Number of new patients referred to Wrexham  
Clinic in 1939 ..... 67

Number of attendances at Wrexham Clinic  
(new and old patients) in 1939 ..... 329

Number of 1939 referred cases treated in Wrex-  
ham in 1939 :

In-patients .....	3
Out-patients .....	2
	—
Total .....	5
	—

Number of 1939 referred cases treated in  
Radium Institute, Manchester :

In-patients .....	23
Out-patients .....	13
	—
Total .....	36
	—

Number of 1939 referred cases not treated :

Surgical .....	1
Unsuitable .....	12
Too advanced .....	9
Patient's Refusal .....	4
	—
Total .....	26
	—

Table showing comparison with previous years :—

	1939	1938	1937
New Patients :			
Treated .....	41	25	10
Not treated .....	26	17	11
	—	—	—
	67	42	21
No. of Examinations (old and new patients)	329	220	154

### BLIND PERSONS ACT, 1920.

The following table gives the number of blind persons according to the age group on the County Register in 1939 :—

	0— 1	1— 5	5— 10	10— 20	20— 35	35— 50	50— 65	65— 75	75 on	Total
Males .....	—	1	—	1	9	21	41	67	60	200
Females ...	—	1	—	1	9	16	57	66	55	205

During the year 1939, 64 new cases (32 males and 32 females) were admitted to the County Register.

### YEARLY REPORT ON THE NORTH WALES SOCIETY'S WORK IN DENBIGH, 1939—1940.

**At the end of the financial year, the North Wales Society had under its care 412 registered Blind Persons in the County of Denbigh.**

There are five Home Teachers (three whole time and two part time) who visit the Blind regularly, teaching some of them Handicrafts, others to read Braille and Moon type, and seeing to their general needs.

Of the number of Registered Blind, 235 are in receipt of Unemployable Blind Grants, which are paid out fortnightly by the Society on behalf of the County Council. In addition to these grants, all applications for necessitous grants, such as boots, underclothing, spectacles, etc., are sympathetically considered by the Society's Necessitous Grants Sub-Committee which meets fortnightly. White walking sticks and grants for the equipment of Home Workers are also considered, and mainly granted.

Medical Assistance is also granted on application to the County Council.

Through the kindness of the Crosville Motor Services, a large number of Blind Persons have been issued with Bus Vouchers which enable them to travel within a radius of ten miles from their homes for the nominal sum of 2/6 per annum.

A special gift is made at Christmas to the Registered Blind, most of this money being collected by school children throughout the area. In addition to this gift, those persons in receipt of Unemployable Blind Grant receive an extra allowance for Christmas.

Library books are sent out weekly and are much appreciated.

The East Denbigh area is still being worked under agreement with the National Institute for the Blind as far as Collections, Flag Days, etc., are concerned, but the welfare of the Blind Persons is carried out by this Society. In Wrexham area, teas, social gatherings, rambles and singing classes are held regularly and are very much enjoyed.

The articles made by Home Workers are accepted by the Bangor Depot and an increase in Sales has been evident during the last few months. A few workers are still employed at the Chester Workshop for the Blind.

Despite present war conditions the work of the Society is being carried on without much change except for the fact that evacuated Blind Persons have been transferred to this area. Everything possible is being done to assist these persons in their trouble and the same privileges are extended to them as the Denbighshire Blind Persons.

TABLE XI.

**A. Deaths from Tuberculosis, 1930-1939.**

(Per thousand of the population).

Year	Pulmonary Tuberculosis		Other Tuberculous Diseases	
	Cases	Rate	Cases	Rate
1930 .....	94	.5	25	.1
1931 .....	115	.7	29	.18
1932 .....	89	.5	33	.2
1933 .....	101	.6	28	.17
1934 .....	90	.6	27	.17
1935 .....	100	.6	19	.12
1936 .....	88	.5	21	.13
1937 .....	94	.5	14	.08
1938 .....	79	.5	15	.09
1939 .....	80	.49	14	.08

**B. Death Rates from Pulmonary Tuberculosis in the Several Districts in the County, 1939.**

(Per thousand of the population).

Urban District	Rate	Rural District	Rate
Abergele .....	.1	Aled .....	.6
Colwyn Bay .....	.3	Ceiriog .....	.1
Denbigh Borough .....	.7	Hiraethog .....	.7
Llangollen .....	.3	Ruthin .....	.1
Llanrwst .....	.7	Wrexham .....	.5
Ruthin Borough .....	.3		
Wrexham Borough .....	.6		

**C. Age and Sex Distribution of Deaths attributed to  
Pulmonary Tuberculosis, 1939.**

Sex	All Ages	0-5	5-15	15-25	25-35	35-45	45-55	55-65	65-75	75 and Up- wards
Males...	35	...	...	7	10	1	7	7	3	...
Females	45	...	1	9	12	10	5	4	3	1
Total ...	80	...	1	16	22	11	12	11	6	1





The source or sources from which information as to the above mentioned cases were obtained are given below :—

Source of information	No. of Cases	
	Pulmonary	Non-Pulmonary
Death Returns :		
From Local Registrars .....	...	...
Transferable deaths from Registrar General .....	...	...
Posthumous notifications.....	2	1
"Transfers" from other areas (other than Transferable deaths) .....	1	...
Other sources, if any (specify) Previously notified .....	...	...

## NOTIFICATION REGISTER.

### Part III.

No. of cases of Tuberculosis remaining on December 31st, 1934, on the Register of Notifications kept by the District Medical Officers of Health in the County	Pulmonary			Non-Pulmonary			Total cases
	Males	Females	Total	Males	Females	Total	
	490	496	986	267	186	453	1439
No. of cases removed from the Registers during the year	106	108	214	38	31	69	283

**TABLE XIII.**  
**Public Health (Tuberculosis) Regulations, 1924.**

District	No. of cases of Tuberculosis on Register at the commencement of the year		No. of cases notified for the first time under Regulations, 1912, during year		No. of cases removed from the Register during the year		No. of cases remaining on the Register at the end of the year	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Abergele.	Males .....	7	...	1	...	1	14	1
	Females .....	22	4	...	...	4	22	4
Aled.	Males .....	36	23	...	...	...	37	23
	Females .....	46	16	1	...	...	49	17
Ceiriog.	Males .....	23	13	1	...	...	24	13
	Females .....	24	6	1	1	1	27	5
Colwyn Bay.	Males .....	57	27	2	2	...	64	28
	Females .....	58	31	12	7	...	64	32
Denbigh.	Males .....	13	7	3	4	3	12	8
	Females .....	16	5	4	4	...	16	8
Hiracethog.	Males .....	27	12	1	4	1	24	13
	Females .....	19	11	6	2	1	23	10

Public Health (Tuberculosis) Regulations, 1924.—(Continued).

District	No. of cases of Tuberculosis on Register at the commencement of the year		No. of cases notified for the first time under Regulations, 1912, during year		No. of cases removed from the Register during the year		No. of cases remaining on the Register at the end of the year	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Pulmonary
Llangollen Urban.	4	...	...	1	...	...	4	1
Females .....	11	...	2	...	...	...	13	...
J. Janrwst Urban.	...	...	2	...	4	...	7	7
Females .....	2	7	1	2	2	2	1	7
Ruthin Borough.	5	5	1	...	...	...	6	6
Females .....	9	2	2	...	3	...	8	2
Ruthin Rural	15	5	3	4	1	...	17	9
Females .....	25	8	6	3	1	...	30	11
Wrexham Borough.	60	43	20	8	11	3	69	48
Females .....	53	20	16	2	7	1	62	21
Wrexham Rural.	249	136	40	4	77	29	212	111
Females .....	230	84	30	11	79	26	181	69
Totals.....	1020	470	180	52	214	69	986	453



## REPORT OF MR. J. H. WYNNE, F.R.C.V.S., COUNTY VETERINARY OFFICER, FOR THE YEAR 1939.

The Quarterly Reports of the Ministry of Agriculture and Fisheries show the total number of cases under the **Diseases of Animals Acts and Orders** to be

Anthrax .....	4 confirmed cases
Swine Fever .....	4 confirmed cases
Sheep Scab .....	27 confirmed cases
Tuberculosis .....	116 confirmed cases

(73 of these cases were found by clinical examination of Milking Herds, and 13 following the Biological examination of milk samples).

### **The Milk and Dairies Acts and Orders.**

During the year 34 Tuberculin Tested Herd Licences were issued and 396 Accredited Licences.

There were 241 Attested Herds and 82 Supervised Herds, under the Ministry of Agriculture's Attested Herd Schemes.

### **The Clinical Examination of**

- (a) **Tuberculin Tested Herds**, (examined every six months, when they are Tuberculin Tested).

2313 examinations were carried out, and no case had to be dealt with under the Tuberculosis Order.

- (b) **Accredited Herds**, (examined every three months).

37,424 clinical examinations resulted in 46 cows being slaughtered under the Tuberculosis Order.

- (c) **Non-designated Herds**, (examined in Denbighshire every 6 months). Denbighshire is the only County in North Wales where these Herds are Clinically examined.

19,853 inspections resulted in the detection of 27 cows affected with Tuberculosis, and these were slaughtered under the Tuberculosis Order.

**Tuberculin Testing of Licenced Tuberculin Tested Herds, and Supervised Herds under the Tuberculosis (Attested Herds) Schemes.**

1,670 animals, including bulls were Tuberculin Tested, 58 were certified to be reactors and were removed from the Herds..

**Tracing Sources of Tuberculous Milk.**

Number of positive reports resulting from the Biological examination of milk samples .....	17
Number of Herds involved, including 6 outstanding cases remaining at the end of 1938 .....	23
Number of Tuberculosis of the Udder found ...	13
Number of cases outstanding at the end of 1939 ...	5

(signed) J. H. WYNNE..

**FOOD AND DRUGS ACT, 1938.**

---

**ANNUAL REPORT FOR THE YEAR ENDED 31st  
DECEMBER, 1939.**

To the Chairman and Members of the Public Health Committee.  
Ladies and Gentlemen.

I beg to report that during the year ended 31st December, 1939, 409 samples of food and drugs were submitted to the Public Analyst for analysis under the above Act, with the following results :—



Article	Number taken	Formal	Informal	Result of Analysis	
				Genuine	Not Genuine or Sub- standard
Milk—Retail .....	229	229	—	206	23
On delivery .....	30	30	—	14	16
Appeal-to-Cow .....	18	18	—	15	3
Butter .....	24	1	23	23	1
Sausages .....	8	—	8	8	—
Tinned Peas .....	3	—	3	3	—
Custard Powder .....	3	—	3	3	—
Rice .....	5	—	5	5	—
Tinned Tomatoes .....	4	—	4	4	—
Brandy .....	6	—	6	6	—
Condensed Milk .....	3	—	3	3	—
Margarine .....	2	—	2	2	—
Jam .....	4	—	4	4	—
Camphorated Oil .....	2	—	2	2	—
Cocoa .....	1	—	1	1	—
Vinegar .....	4	—	4	3	1
Fish Dressing .....	1	—	1	1	—
Flour .....	2	—	2	2	—
Suet .....	4	—	4	4	—
Coffee .....	1	—	1	1	—
Cream Cakes .....	3	—	3	2	1
Fish and Meat Paste .....	4	—	4	4	—
Honey .....	1	—	1	1	—
Bread .....	2	—	2	2	—
Paregoric Elixir .....	1	—	1	1	—
Ice Cream .....	5	—	5	5	—
Fresh Cream .....	11	3	8	7	4
Tinned Cream .....	1	—	1	1	—
Fruit Salad .....	1	—	1	1	—
Lard .....	2	—	2	2	—
Pepper .....	2	—	2	2	—
Cheese .....	2	—	2	2	—
Soda Water .....	1	—	1	1	—
Olive Oil .....	2	—	2	2	—
Amm. Tinct. Quinine .....	2	—	2	2	—
Baking Powder .....	1	—	1	1	—
Tapioca .....	1	—	1	1	—
Whisky .....	1	—	1	1	—
Beer .....	1	—	1	1	—
Pickles .....	1	—	1	1	—
Tinned Salmon .....	1	—	1	1	—
Spirit of Nitre .....	2	—	2	1	1
Mince-meat .....	2	—	2	2	—
Bi-Carbonate Soda .....	1	—	1	1	—
Lemon Cheese .....	1	—	1	1	—
Cream of Tartar .....	1	—	1	1	—
Mixed Spice .....	1	—	1	1	—
Pearl Barley .....	1	—	1	1	—
Totals .....	409	281	128	359	50

The average percentages of fat and solids-not-fat of the milk sampled during the year were as follows:—

	Fat		Solids-not-fat
Eastern Division .....	3.62%	...	8.79%
Western Division ...	3.62%	...	8.76%
Whole County .....	3.63%	...	8.78%
The Legal Presumptive Standard is ...	3.00%	...	8.50%

In addition to the samples of milk submitted to the Public Analyst, 76 informal samples were tested at the Colwyn Bay Office and 30 at the Wrexham Office, on behalf of farmers and dairymen, and also for preliminary information.

The milk supplied to the Children's Homes, Public Assistance Institutions and certain Hospitals in the County were also periodically examined during the year.

As will be observed from the Table, 229 samples of milk were taken from retailers, 30 "on delivery" from wholesalers, and 18 direct from the cows, 23 of the retail samples were certified by the Public Analyst as being "not genuine" by reason of deficiency in fat, or solids-not-fat, or the addition thereto of water. Of this number 5 were eliminated by "On delivery" or "Appeal-to-Cow" samples, 14 comprising minor defections were dealt with by means of advice and cautions, and the remaining 4 were the subjects of prosecution. 16 "On delivery" samples were certified as being "not genuine," 3 of which were eliminated by "Appeal-to-cow" samples, 7 resulted in cautions, and the remaining 6 were the subjects of prosecution.

An informal sample of Spirit of Nitre was found to be deficient in active principal, Ethyl Nitrate, to the extent of 16%, but a subsequent sample from the same source proved to be genuine.

An informal sample of Fresh Butter contained one per cent of excess water, but a further sample from the same shop was well within the prescribed limit.

Four samples of Fresh Cream obtained from the same supplier were certified as containing Boric Acid, a prohibited preservative, the producer was prosecuted and fined.

An informal sample of Fresh Cream Puffs was composed of pastry with a filling made from Margarine, and further investigation disclosed the fact that the offence was committed owing to the misinterpretation of a verbal description of this article.

An informal sample of Vinegar was certified as being "not genuine" by reason of it being artificial and not Malt Vinegar, and the absence of any notice on the premises intimating the fact to purchasers. A subsequent visit to the shop concerned, however, disclosed that such a notice was attached to the container, though not in a sufficiently prominent position. The person responsible has been cautioned and the matter rectified.

All other samples were certified by the Public Analyst as being genuine and free from all prohibited preservatives and colouring matter.

D. WYNNE GRIFFITH,  
Chief Inspector.

Table XV. VENEREAL DISEASES.

The following statistics, taken from the Returns supplied by the Treatment Centres, show the work undertaken during the year ended 31/12/39.

Clinic	Persons attending for the first time at Out-patient Clinic suffering from						Total attend- ances at Out-patient Clinic		No. of In-Patient days		No. of Persons treated with Salvarsan Substitutes	
	Syphilis		Soft Chancre		Gonorrhoea		Non-Venereal Condition		M.	F.	M.	F.
	M.	F.	M.	F.	M.	F.	M.	F.				
Wrexham .....	18	15	—	—	73	28	9	16	129	147	34	46
Chester .....	3	1	—	—	12	4	1	—	9	45	76	9
Bangor .....	1	...	—	—	7	1	—	—	19	6	25	—
Totals .....	22	16	—	—	92	33	10	16	157	198	135	55



# ITAVE ALGORIT

# ITAVE ALGORIT







